



RECEIPT
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Dkt. 43016-A-PCT-US/JPW/AN

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Philip O. Livingston and Friedhelm Helling
U.S. Serial No.: 08/196,154
Filed : November 16, 1995
For : GANGLIOSIDE-KLH CONJUGATE VACCINES WITH QS-21

1185 Avenue of the Americas
New York, New York 10036
June 6, 2000

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

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FOURTH COMMUNICATION TO CORRECT ERROR IN FILING RECEIPT

This Communication is filed to request the issuance of a corrected Filing Receipt in connection with the above-identified application. Upon receipt of the official Filing Receipt for the subject application, a copy of which is attached hereto as **Exhibit A**, applicants' undersigned attorney noticed several errors.

Specifically, the title and the continuing data are incorrect for the subject application.

The title on a corrected Filing Receipt should read as follows:

--GANGLIOSIDE-KLH CONJUGATE VACCINES WITH QS-21--

Also, the continuing data on a corrected Filing Receipt should read as follows:

--CONTINUING DATA AS CLAIMED BY APPLICANT-

THIS APPLN IS A 371 OF PCT/US94/00757 01/21/94

AND A CIP OF 08/009,268 01/22/93 ABN--



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Applicants contend that the correct title and continuing data may be found in the Declaration and Power of Attorney filed November 14, 1995 (a copy of which is attached hereto as **Exhibit B**) and on the cover page of International Publication No. WO 94/16731, which is the published version of PCT International Application No. PCT/US94/00757 (a copy of which is attached hereto as **Exhibit C**), of which the subject application is a 371 national stage application. Applicants note that a copy of this publication was submitted with the subject application on July 21, 1995. Accordingly, applicants request that a corrected Filing Receipt be issued.

No fee is deemed necessary in connection with the filing of this Communication. However, if any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account 03-3125.

Respectfully submitted,

John P. White
Registration No. 28,678
Attorney for Applicants
Cooper & Dunham LLP
1185 Avenue of the Americas
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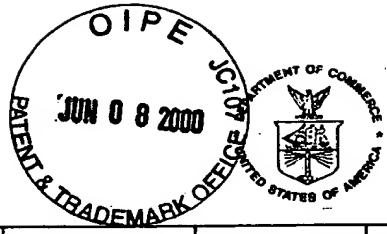
I hereby certify that this correspondence
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Postal Service with sufficient postage as
first class mail in an envelope addressed
to: Assistant Commissioner for Patents,
Washington, D.C. 20231.

John P. White
Reg. No. 28,678

Date

6/6/00

FILING RECEIPT



UNITED STATES DEPARTMENT OF COMMERCE
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ASSISTANT SECRETARY AND COMMISSIONER
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Washington, D.C. 20231 43016-A-PCT-US

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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FEE REC'D	ATTORNEY DOCKET NO.	DRWGS	TOT CL	IND CL
08/196,154	11/16/95	1645	\$726.00	43016-A-PCT-	26	23	1

JOHN P WHITE
COOPER AND DUNHAM
1185 AVENUE OF THE AMERICAS
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AUG - 4 1999

OAKLEY CERVA

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts of Application" ("Missing Parts Notice") in this application, please submit any corrections to this Filing Receipt with your reply to the "Missing Parts Notice." When the PTO processes the reply to the "Missing Parts Notice," the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s) PHILIP O. LIVINGSTON, NEW YORK, NY; FRIEDHELM HELLING,
NEW YORK, NY.

CONTINUING DATA AS CLAIMED BY APPLICANT-
THIS APPLN IS A 371 OF PCT/US94/00757 01/21/94
AND A CON OF 08/009,628 01/21/93 PAT 5,333,920

IF REQUIRED, FOREIGN FILING LICENSE GRANTED 03/30/96 ** SMALL ENTITY **
TITLE
GANGLIOSIDE-KLH CONJUGATE VACCINES PLUS OS-21

PRELIMINARY CLASS: 424

DATA ENTRY BY: WILSON, PAMELLA TEAM: 12 DATE: 07/22/99



(See reverse for new important information)



Declaration and Power of Attorney

As a below-named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor if only one name is listed below or an original, first and joint inventor if plural names are listed below of the subject matter which is claimed and for which a patent is sought on the invention entitled:

GANGLIOSIDE-KLH CONJUGATE VACCINES WITH QS-21

the specification of which
(check one)

is attached hereto.

x was filed on January 21, 1994 23

Application Serial No. PCT/US94/00757 and entered the National stage as U.S. Serial No. 08/196,154
and was amended on July 21, 1995
(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information of which I am aware which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

<u>Prior Foreign Application(s) Number</u>	<u>Country</u>	<u>Filing Date</u>	<u>Priority Claimed Yes</u>	<u>No</u>
<u>None</u>				



Declaration and Power of Attorney

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I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States Application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Sections 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status</u>
PCT/US94/00757	January 21, 1994	pending
08/099,268	January 22, 1993	abandoned

And I hereby appoint
John P. White (Reg. No. 28,678); Thomas F. Moran (Reg. No. 16,579);
Norman H. Zivin (Reg. No. 25,385); Ivan S. Kavrukov (Reg. No.
25,161); Christopher C. Dunham (Reg. No. 22,031); Thomas G. Carulli
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Matthew J. Golden (Reg. No. 35,161); Albert Wai-Kit Chan (Reg. No.
36,479); Kristina L. Konstas (Reg. No. 37,864); Robert T. Maldonado
(Reg. No. 38,232); and Lewis J. Kreisler (Reg. No. 38,522),
and each of them, all c/o Cooper & Dunham LLP of 1185 Avenue of the Americas, New York, New York
10036, Tel. (212) 278-0400, my attorneys, each with full power of substitution and revocation,
to prosecute this application, to make alterations and amendments therein, to receive the patent,
to transact all business in the Patent and Trademark Office connected therewith and to file
any International Applications which are based thereon under the provisions of the Patent
Cooperation Treaty.

Please address all communications, and direct all telephone calls, regarding this application to

John P. White Reg. No. 28,678
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

*Full name of sole or
first joint inventor* Philip Ordway Livingston

Inventor's signature Philip Livingston 1811-18

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Inventor's signature _____

Citizenship _____ Date of signature _____

Residence _____

Post Office Address _____

Full name of joint
inventor (if any) _____

Inventor's signature _____

Citizenship _____ Date of signature _____

Residence _____

Post Office Address _____

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International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁵ : A61K 45/05, 31/70, A01N 43/08		A1	(11) International Publication Number: WO 94/16731 (43) International Publication Date: 4 August 1994 (04.08.94)
(21) International Application Number: PCT/US94/00757		(81) Designated States: AU, CA, FI, HU, JP, KR, NO, NZ, RU, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).	
(22) International Filing Date: 21 January 1994 (21.01.94)		Published <i>With international search report.</i>	
(30) Priority Data: 08/009,268 22 January 1993 (22.01.93) US			
(60) Parent Application or Grant (63) Related by Continuation US Filed on		Not furnished (CIP) Not furnished	
(71) Applicant (for all designated States except US): SLOAN-KETTERING INSTITUTE FOR CANCER RESEARCH [US/US]; 1275 York Avenue, New York, NY 10021 (US).			
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(74) Agent: WHITE, John, P.: Cooper & Dunham, 30 Rockefeller Plaza, New York, NY 10112 (US).			

(54) Title: GANGLIOSIDE-KLH CONJUGATE VACCINES WITH QS-21

(57) Abstract

This invention provides a vaccine for stimulating or enhancing the production of an antibody which recognizes a ganglioside in a subject to which the vaccine is administered. The vaccine is comprised of an amount of ganglioside or oligosaccharide portion thereof conjugated to an immunogenic protein effective to stimulate or enhance antibody production in the subject. The vaccine is further comprised of an adjuvant and a pharmaceutically acceptable vehicle. The invention also provides a method of using the vaccine for treating or preventing cancer wherein gangliosides are on the surface or in the stroma of the cancer cells.